

## CLAIMS

sub C27 1. A method of using a system with at least one of audio, image, and a video comprising a plurality of frames comprising the steps of:

(a) providing a usage preferences description where said usage preference description includes at least one of a browsing preferences description, a filtering preferences description, a search preferences description, and a device preferences description where,

(i) said browsing preferences description relates to a user's viewing preferences;

(ii) said filtering and search preferences descriptions relate to at least one of (1) content preferences of said at least one of audio, image, and video, (2) classification preferences of said at least one of audio, image, and video, (3) keyword preferences of said at least one of audio, image, and video, and (4) creation preferences of said at least one of audio, image, and video; and

(iii) said device preferences description relates to user's preferences regarding presentation characteristics;

(b) providing a usage history description where said usage history description includes at least one of a browsing history description, a filtering history description, a search history description,

and a device usage history description where,

- (i) said browsing history description relates to a user's viewing history;
  - (ii) said filtering and search history descriptions relate to at least one of (1) content usage history of said at least one of audio, image, and video, (2) classification usage history of said at least one of audio, image, and video, (3) keyword usage history of said at least one of audio, image, and video, and (4) creation usage history of said at least one of audio, image, and video; and
  - (iii) said device usage history description relates to user's history regarding presentation characteristics;
- (c) updating said usage preferences description based on the content of said usage history description.

2. The method of claim 1 further comprising storing said usage preferences description on a removable storage device.

3. The method of claim 1 wherein said usage preferences description includes at least two of said browsing preferences description, said filtering preferences description, said search preferences description, and said device preferences description.

4. The method of claim 3 wherein said usage preferences description includes said browsing preferences description, said filtering preferences

description, said search preferences description, and said device preferences description.

5           5. The method of claim 3 wherein said usage preferences description includes at least said browsing preferences description, said filtering preferences description, and said search preferences description.

10           6. The method of claim 3 wherein said usage preferences description includes at least said browsing preferences description, and said device preferences description.

15           7. The method of claim 3 wherein said usage preferences description includes at least said filtering preferences description, said search preferences description, and said device preferences description.

20           8. A method of using a system with at least one of audio, image, and a video comprising a plurality of frames comprising the steps of:

- 25           (a) providing a usage preferences description where said usage preference description includes at least one of a browsing preferences description, a filtering preferences description, a search preferences description, and a device preferences description where,
- 30               (i) said browsing preferences description relates to a user's viewing preferences;
- 35               (ii) said filtering and search preferences descriptions relate to at least one of (1) content preferences of said at least one of audio, image, and video, (2) classification preferences of said

at least one of audio, image, and video, (3) keyword preferences of said at least one of audio, image, and video, and (4) creation preferences of said at least one of audio, image, and video; and

5 (iii) said device preferences description relates to user's preferences regarding presentation characteristics;

10 (b) providing a usage history description where said usage history description includes at least one of a browsing history description, a filtering history description, a search history description, and a device usage history description where,

15 (i) said browsing history description relates to a user's viewing history;

20 (ii) said filtering and search history descriptions relate to at least one of (1) content usage history of said at least one of audio, image, and video, (2) classification usage history of said at least one of audio, image, and video, (3) keyword usage history of said at least one of audio, image, and video, and (4) creation usage history of said at least one of audio, image, and video; and

25 (iii) said device usage history description relates to user's history regarding presentation characteristics;

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- (c) maintaining said usage preferences description separate from said usage history description; and
- (d) storing said usage preferences description on a removable storage device.

9. The method of claim 8, further comprising updating said usage preferences description based on the content of said usage history description.

10. The method of claim 8 wherein said usage preferences description includes at least two of said browsing preferences description, said filtering preferences description, said search preferences description, and said device preferences description.

11. The method of claim 10 wherein said usage preferences description includes said browsing preferences description, said filtering preferences description, said search preferences description, and said device preferences description.

12. The method of claim 10 wherein said usage preferences description includes at least said browsing preferences description, said filtering preferences description, and said search preferences description.

13. The method of claim 10 wherein said usage preferences description includes at least said browsing preferences description, and said device preferences description.

14. The method of claim 10 wherein said usage preferences description includes at least said filtering preferences description, said search preferences description, and said device preferences description.

15. A method of using a system with at least one of audio, image, and a video comprising a plurality of frames comprising the steps of:

- 5 (a) providing a plurality of usage preferences descriptions where each of said usage preference descriptions includes at least one of a browsing preferences description, a filtering preferences description, a search preferences description, and a device preferences description where,
- 10 (i) said browsing preferences description relates to a user's viewing preferences;
- 15 (ii) said filtering and search preferences descriptions relate to at least one of (1) content preferences of said at least one of audio, image, and video, (2) classification preferences of said at least one of audio, image, and video, (3) keyword preferences of said at least one of audio, image, and video, and (4) creation preferences of said at least one of audio, image, and video; and
- 20 (iii) said device preferences description relates to user's preferences regarding presentation characteristics;
- 25 (b) providing a plurality of usage history descriptions where each of said usage history descriptions includes at least one of a browsing history description, a filtering history description, a search history description, and a device usage history description where,
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- (i) said browsing history description relates to a user's viewing history;
- (ii) said filtering and search history descriptions relate to at least one of (1) content usage history of said at least one of audio, image, and video, (2) classification usage history of said at least one of audio, image, and video, (3) keyword usage history of said at least one of audio, image, and video, and (4) creation usage history of said at least one of audio, image, and video; and
- (iii) said device usage history description relates to user's history regarding presentation characteristics;

- (c) providing a user identification description which identifies a corresponding set of at least one of said usage preference descriptions and at least one of said usage history descriptions.

16. The method of claim 15 wherein said user identification description identifies a corresponding set of at least two of said usage preference descriptions and at least two of said usage history descriptions.

17. The method of claim 15 wherein said system includes multiple user identification descriptions.

18. The method of claim 17 wherein each of said multiple user identification descriptions identifies a different corresponding set of at least one of said usage preference descriptions and at least one of said usage history descriptions.

19. The method of claim 17 wherein each of said multiple user identification descriptions identifies an overlapping set of at least one of said usage preference descriptions and at least one of said usage history descriptions.

20. The method of claim 15 wherein said user identification description is included within said usage preference descriptions and said usage history descriptions.

21. The method of claim 15 wherein said usage preferences description is separate from said usage history description, and storing said usage preferences description on a removable storage device.

22. The method of claim 15, further comprising updating said usage preferences description based on the content of said usage history description.

23. The method of claim 15 wherein said usage preferences description includes at least two of said browsing preferences description, said filtering preferences description, said search preferences description, and said device preferences description.

24. The method of claim 23 wherein said usage preferences description includes said browsing preferences description, said filtering preferences description, said search preferences description, and said device preferences description.

25. The method of claim 23 wherein said usage preferences description includes at least said browsing preferences description, said filtering preferences description, and said search preferences description.



26. The method of claim 23 wherein said usage preferences description includes at least said browsing preferences description, and said device preferences description.

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27. The method of claim 23 wherein said usage preferences description includes at least said filtering preferences description, said search preferences description, and said device preferences description.

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28. A method of using a system with at least one of audio, image, and a video comprising a plurality of frames comprising the steps of:

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- (a) providing a plurality of usage preferences descriptions where each of said usage preference descriptions includes at least one of a browsing preferences description, a filtering preferences description, a search preferences description, and a device preferences description where,

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- (i) said browsing preferences description relates to a user's viewing preferences;
- (ii) said filtering and search preferences descriptions relate to at least one of (1) content preferences of said at least one of audio, image, and video, (2) classification preferences of said at least one of audio, image, and video, (3) keyword preferences of said at least one of audio, image, and video, and (4) creation preferences of said at least one of audio, image, and video; and
- (iii) said device preferences description relates to user's preferences

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regarding presentation  
characteristics;

- 5 (b) providing a first user identification  
description which identifies a particular  
user of at least one of said usage  
preference descriptions where said usage  
preference description is at least one of  
created by said user by interaction with  
said system and provided by said user to  
10 said system;
- (c) providing a second user identification  
description which identifies a different  
particular user of at least one of said  
usage preference description where said  
15 usage preference description is at least  
one of created by said different user by  
interaction with said system and provided  
by said different user to said system; and
- (d) wherein said first user identification  
20 description and its associated at least  
one of said usage preference description  
is disabled prior to said different user  
using his associated said usage preference  
description.

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29. The method of claim 28 wherein said system  
includes multiple user identification descriptions.

30 30. The method of claim 28 wherein said usage  
preferences description includes at least two of said  
browsing preferences description, said filtering  
preferences description, said search preferences  
description, and said device preferences description.

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31. The method of claim 30 wherein said usage  
preferences description includes said browsing  
preferences description, said filtering preferences

description, said search preferences description, and said device preferences description.

5 32. The method of claim 30 wherein said usage preferences description includes at least said browsing preferences description, said filtering preferences description, and said search preferences description.

10 33. The method of claim 30 wherein said usage preferences description includes at least said browsing preferences description, and said device preferences description.

15 34. The method of claim 30 wherein said usage preferences description includes at least said filtering preferences description, said search preferences description, and said device preferences description.

20 35. A method of using a system with at least one of audio, image, and a video comprising a plurality of frames comprising the steps of:

- 25 (a) providing a usage preferences description where said usage preference descriptions includes at least one of a browsing preferences description, a filtering preferences description, a search preferences description, and a device preferences description where,
- 30 (i) said browsing preferences description relates to a user's viewing preferences;
- 35 (ii) said filtering and search preferences descriptions relate to at least one of (1) content preferences of said at least one of audio, image, and video, (2) classification preferences of said

- at least one of audio, image, and video, (3) keyword preferences of said at least one of audio, image, and video, and (4) creation preferences of said at least one of audio, image, and video; and
- 5 (iii) said device preferences description relates to user's preferences regarding presentation characteristics;
- 10 (b) providing a usage history descriptions where said usage history descriptions includes at least one of a browsing history description, a filtering history description, a search history description, and a device usage history description where,
- 15 (i) said browsing history description relates to a user's viewing history;
- 20 (ii) said filtering and search history descriptions relate to at least one of (1) content usage history of said at least one of audio, image, and video, (2) classification usage history of said at least one of audio, image, and video, (3) keyword usage history of said at least one of audio, image, and video, and (4) creation usage history of said at least one of audio, image, and video; and
- 25 (iii) said device usage history description relates to user's history regarding presentation characteristics;
- 30 (c) supplementing the data contained in said usage history description in response to
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said user interacting with said system;  
and

- (d) providing said data contained in said  
usage history description to a party other  
than said user, which in response thereto,  
provides advertising to said system.

36. The method of claim 35 wherein demographic  
data is also provided to said party other than said user.

37. The method of claim 35 wherein said usage  
preferences description includes at least two of said  
browsing preferences description, said filtering  
preferences description, said search preferences  
description, and said device preferences description.

38. The method of claim 37 wherein said usage  
preferences description includes said browsing  
preferences description, said filtering preferences  
description, said search preferences description, and  
said device preferences description.

39. The method of claim 37 wherein said usage  
preferences description includes at least said browsing  
preferences description, said filtering preferences  
description, and said search preferences description.

40. The method of claim 37 wherein said usage  
preferences description includes at least said browsing  
preferences description, and said device preferences  
description.

41. The method of claim 37 wherein said usage  
preferences description includes at least said filtering  
preferences description, said search preferences  
description, and said device preferences description.

42. A method of using a system with at least one of audio, image, and a video comprising a plurality of frames comprising the steps of:

- 5 (a) providing a usage preferences description where said usage preference description includes at least one of a browsing preferences description, a filtering preferences description, a search preferences description, and a device preferences description where,
- 10 (i) said browsing preferences description relates to a user's viewing preferences;
- 15 (ii) said filtering and search preferences descriptions relate to at least one of (1) content preferences of said at least one of audio, image, and video, (2) classification preferences of said
- 20 at least one of audio, image, and video, (3) keyword preferences of said at least one of audio, image, and video, and (4) creation preferences of said at least one of
- 25 audio, image, and video; and
- (iii) said device preferences description relates to user's preferences regarding presentation characteristics;
- 30 (b) providing a usage history description where said usage history description includes at least one of a browsing history description, a filtering history description, a search history description,
- 35 and a device usage history description where,

- (i) said browsing history description relates to a user's viewing history;
- (ii) said filtering and search history descriptions relate to at least one of (1) content usage history of said at least one of audio, image, and video, (2) classification usage history of said at least one of audio, image, and video, (3) keyword usage history of said at least one of audio, image, and video, and (4) creation usage history of said at least one of audio, image, and video; and
- (iii) said device usage history description relates to user's history regarding presentation characteristics;
- (c) selectively updating said usage preferences description based on the content of said usage history description.

43. The method of claim 42 wherein said selective updating is based upon said a response from said user.

44. The method of claim 42 wherein said selective updating is based upon at least one setting within at least one of said usage preferences description and said usage history description.

45. The method of claim 44 wherein said selective updating is based upon at least one setting within said usage preferences description.

46. A method of using a system with at least one of audio, image, and a video comprising a plurality of frames comprising the steps of:

- 5 (a) providing a usage preferences descriptions where said usage preference descriptions includes a browsing preferences description, a filtering preferences description and a search preferences description, and a device preferences description where,
- 10 (i) said browsing preferences description relates to a user's viewing preferences;
- 15 (ii) said filtering and search preferences descriptions relate to at least two of (1) content preferences of said at least one of audio, image, and video, (2) classification preferences of said at least one of audio, image, and video, (3) keyword preferences of said at least one of audio, image, and video, and (4) creation preferences of said at least one of audio, image, and video; and
- 20 (iii) said device preferences description relates to user's preferences regarding presentation characteristics;
- 25 (b) selecting said at least one of audio, image, and a video based upon said usage preferences description.
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47. The method of claim 46 further comprising:
- 35 (a) providing a usage history description where said usage history description includes at least one of a browsing



history description, a filtering history description, a search history description, and a device usage history description where,

- 5 (i) said browsing history description relates to a user's viewing history;
- (ii) said filtering and search history descriptions relate to at least one of (1) content usage history of said  
10 at least one of audio, image, and video, (2) classification usage history of said at least one of audio, image, and video, (3) keyword usage history of said at least one  
15 of audio, image, and video, and (4) creation usage history of said at least one of audio, image, and video; and
- (iii) said device usage history  
20 description relates to user's history regarding presentation characteristics.

48. The method of claim 47 wherein said usage preferences description includes at least two of said browsing preferences description, said filtering preferences description, said search preferences description, and said device preferences description.

49. The method of claim 48 wherein said usage preferences description includes said browsing preferences description, said filtering preferences description, said search preferences description, and said device preferences description.

50. The method of claim 48 wherein said usage preferences description includes at least said browsing preferences description, said filtering preferences description, and said search preferences description.

51. The method of claim 48 wherein said usage preferences description includes at least said browsing preferences description, and said device preferences description.

52. The method of claim 48 wherein said usage preferences description includes at least said filtering preferences description, said search preferences description, and said device preferences description.

53. A method of using a system with at least one of audio, image, and a video comprising a plurality of frames comprising the steps of:

(a) providing a usage preferences description where said usage preference description includes at least a device preferences description that relates to user's preferences regarding presentation characteristics including at least one of;

- (i) different settings based on the type of content being presented;
  - (ii) different settings based on the time of content presentation;
  - 5 (iii) different settings based on which video presentation device is being used;
  - (iv) different settings based on which audio presentation device is being used;
  - 10 (b) modifying said settings of said at least one of audio, image, and a video based upon said usage preferences description.
- 15 54. The method of claim 53 wherein said type of content includes at least one of romance, drama, action, and violence.
- 20 55. The method of claim 53 wherein said time of content presentation includes at least one of morning, weekend, evening, afternoon, and weekday.
- 25 56. The method of claim 53 wherein said audio presentation device includes stereo sound, mono sound, surround sound, AC-3, and Dolby Digital.
- 30 57. The method of claim 53 further comprising (a) providing a usage history description where said usage history description includes at least one of a browsing history description, a filtering history description, a search history description, and a device usage history description where,
- 35 (i) said browsing history description relates to a user's viewing history;

(ii) said filtering and search history descriptions relate to at least one of (1) content usage history of said at least one of audio, image, and video, (2) classification usage history of said at least one of audio, image, and video, (3) keyword usage history of said at least one of audio, image, and video, and (4) creation usage history of said at least one of audio, image, and video; and

(iii) said device usage history relates to user's history regarding presentation characteristics;

(b) updating said usage preferences description based on the content of said usage history description.

58. A method of using a system with at least one of audio, image, and a video comprising a plurality of frames comprising the steps of:

(a) providing a usage preferences description where said usage preference description includes at least one of a browsing preferences description, a filtering preferences description, a search preferences description, and a device preferences description where,

(i) said browsing preferences description relates to a user's viewing preferences;

(ii) said filtering and search preferences descriptions relate to at least one of (1) content preferences of said at least one of audio, image, and video, (2)

classification preferences of said  
at least one of audio, image, and  
video, (3) keyword preferences of  
said at least one of audio, image,  
and video, and (4) creation  
preferences of said at least one of  
audio, image, and video; and

(iii) said device preferences description  
relates to user's preferences  
regarding presentation  
characteristics;

(b) providing a usage history description  
where said usage history description  
includes at least one of a browsing  
history description, a filtering history  
description, a search history description,  
and a device usage history description  
where,

(i) said browsing history description  
relates to a user's viewing history;

(ii) said filtering and search history  
descriptions relate to at least one  
of (1) content usage history of said  
at least one of audio, image, and  
video, (2) classification usage  
history of said at least one of  
audio, image, and video, (3) keyword  
usage history of said at least one  
of audio, image, and video, and (4)  
creation usage history of said at  
least one of audio, image, and  
video; and

(iii) said device usage history  
description relates to user's  
history regarding presentation  
characteristics;

(c) incorporating within said usage history description at least one of the duration that a particular program has been viewed for a plurality of programs and the duration that a particular program has been viewed in relation to the total duration of said program for a plurality of said programs.

59. The method of claim 58, further comprising updating said usage preferences description based, at least in part, on said duration.

60. The method of claim 58, further comprising storing said usage preferences description on a removable storage device.

61. The method of claim 58 wherein said usage preferences description includes at least two of said browsing preferences description, said filtering preferences description, said search preferences description, and said device preferences description.

62. The method of claim 61 wherein said usage preferences description includes said browsing preferences description, said filtering preferences description, said search preferences description, and said device preferences description.

63. The method of claim 61 wherein said usage preferences description includes at least said browsing preferences description, said filtering preferences description, and said search preferences description.

64. The method of claim 61 wherein said usage preferences description includes at least said browsing

preferences description, and said device preferences description.

5 65. The method of claim 61 wherein said usage preferences description includes at least said filtering preferences description, said search preferences description, and said device preferences description.

10 66. A method of using a system with at least one of audio, image, and a video comprising a plurality of frames comprising the steps of:

- 15 (a) providing a plurality of usage preferences descriptions where each of said usage preference descriptions includes at least one of a browsing preferences description, a filtering preferences description, a search preferences description, and a device preferences description where,
- 20 (i) said browsing preferences description relates to a user's viewing preferences;
- 25 (ii) said filtering and search preferences descriptions relate to at least one of (1) content preferences of said at least one of audio, image, and video, (2) classification preferences of said at least one of audio, image, and video, (3) keyword preferences of said at least one of audio, image, and video, and (4) creation preferences of said at least one of audio, image, and video; and
- 30 (iii) said device preferences description relates to user's preferences regarding presentation characteristics; and
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68. The method of claim 66/ wherein each of said multiple user identification descriptions identifies an overlapping set of at least one of said usage



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(b) providing said data contained in said usage preferences description to a party other than said user, which in response thereto, provides a summary of said at least one of said audio, image, and video to said system.

71 26. The method of claim <sup>70</sup>75 wherein demographic data is also provided to said party other than said user.

72 27. The method of claim <sup>70</sup>75 wherein said usage preferences description includes at least two of said browsing preferences description, said filtering preferences description, said search preferences description, and said device preferences description.

73 28. The method of claim <sup>70</sup>75 wherein said usage preferences description includes said browsing preferences description, said filtering preferences description, said search preferences description, and said device preferences description.

74 29. The method of claim <sup>70</sup>75 wherein said usage preferences description includes at least said browsing preferences description, said filtering preferences description, and said search preferences description.

75 30. The method of claim <sup>70</sup>75 wherein said usage preferences description includes at least said browsing preferences description, and said device preferences description.

76 31. The method of claim <sup>70</sup>75 wherein said usage preferences description includes at least said filtering preferences description, said search preferences description, and said device preferences description.

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10. ~~78, 83~~<sup>77</sup>. The method of claim ~~82~~<sup>77</sup> wherein said seasons include at least two of football season, baseball season, football season, and hockey season.

79 ~~84~~<sup>77</sup>. The method of claim ~~82~~<sup>77</sup> wherein said seasons include at least two of winter, spring, summer, and fall.